

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL

Conditional Major / Operating

Permit: F-07-054

Clover Creek Brick Company

Cloverport, KY 40111

February 18, 2008

Esmail Hassanpour, Reviewer

SOURCE ID: 21-027-00011

AGENCY INTEREST: 417

ACTIVITY: APE20070001

SOURCE DESCRIPTION:

The Clover Creek Brick Company applied to the Kentucky Division for Air Quality on September 7, 2007, to renew their current permit in Cloverport, KY. The source currently has operating permit (F-00-011) which is a brick Manufacturing Plant. Raw material in the form of shale or clay is shipped by truck to the facility. The shale or clay is then ground and screened within a building. A baghouse controls particulate emissions. The ground clay or shale is then conveyed to an extruder. A small amount of stain may then be applied to the surface of the extruded material for aesthetic purpose. The extruded material is then cut into bricks. The bricks are then sent to pre-heater and possibly one of two dryers to reduce moisture content. The pre-heater and dryers utilize excess air from the kilns. The bricks are then placed into one of two kilns. After a firing period for 24 to 48 hours, the bricks are moved from kiln and prepared for shipment. Both kilns are natural gas, direct-fired kilns and are designed to be operated continuously, 24 hrs/day and 365 days/yr. Due to the inherent physical restrictions of the kiln firing cycles, the grinding, screening, extrusion, and cutting processes will only be operated 8 hrs/day. Both kilns use a baghouse to control Particulate Matter.

PUBLIC AND U.S. EPA REVIEW:

On January 23, 2008, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in the Herald News in Hardinsburg, Kentucky. In addition, notification of the issuance of the draft permit was sent to the U.S. EPA on January 15, 2008 via e-mail. The public comment period expired 30 days from the date of publication. No comments were received during this period. The permit is now being issued final.